Operating Guide | Warranty

Model Number | L20V26 | **LCD TV**

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zenith

RECORD YOUR MODEL NUMBER
(Do this now, while it is convenient)

The model and serial number of your Entertainment Machine™ are located on the back of the TV cabinet. For your future convenience, we suggest that you record these numbers here:

MODEL NO._____

SERIAL NO._____

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING :

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING :

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV system installer’s attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user’s authority to operate this product. The responsible party for this product’s compliance is :

Zenith Electronics Corporation,
2000 Millbrook Drive,
Lincolnshire, IL 60069, USA
1-847-941-8000

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“Entertainment Machine™ ” is a trademark of Zenith Electronics Corporation

IMPORTANT SAFETY INSTRUCTIONS

Important safeguards for you and your new product

Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference.

Observing the simple precautions discussed in this booklet can help you get many years of enjoyment and safe operation.

This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

The safety and operating instructions should be retained for future reference.

4. Heed Warnings

All warnings on the product and in the operating instructions should be followed.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Water and Moisture

Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories, Carts, and Stands

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. Transporting Product

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Power-Cord Polarization

This product is equipped with a three-wire grounding type alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

(Continued on next page)

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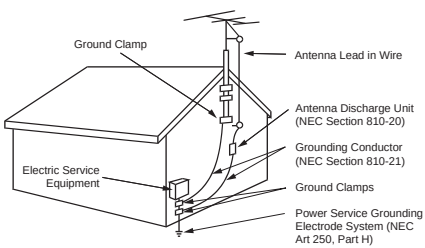
IMPORTANT SAFETY INSTRUCTIONS

(Continued from previous page)

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/ NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instructions


Ground Clamp
Antenna Lead in Wire
Antenna Discharge Unit (NEC Section 810-20)
Grounding Conductor (NEC Section 810-21)
Electric Service Equipment
Ground Clamps
Power Service Grounding Electrode System (NEC Art 250, Part H)

NEC - National Electrical Code

15. Lightning

For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. If the power-supply cord or plug is damaged.

b. If liquid has been spilled, or objects have fallen into the product.

c. If the product has been exposed to rain or water.

d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

e. If the product has been dropped or the cabinet has been damaged.

f. If the product exhibits a distinct change in performance.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

24. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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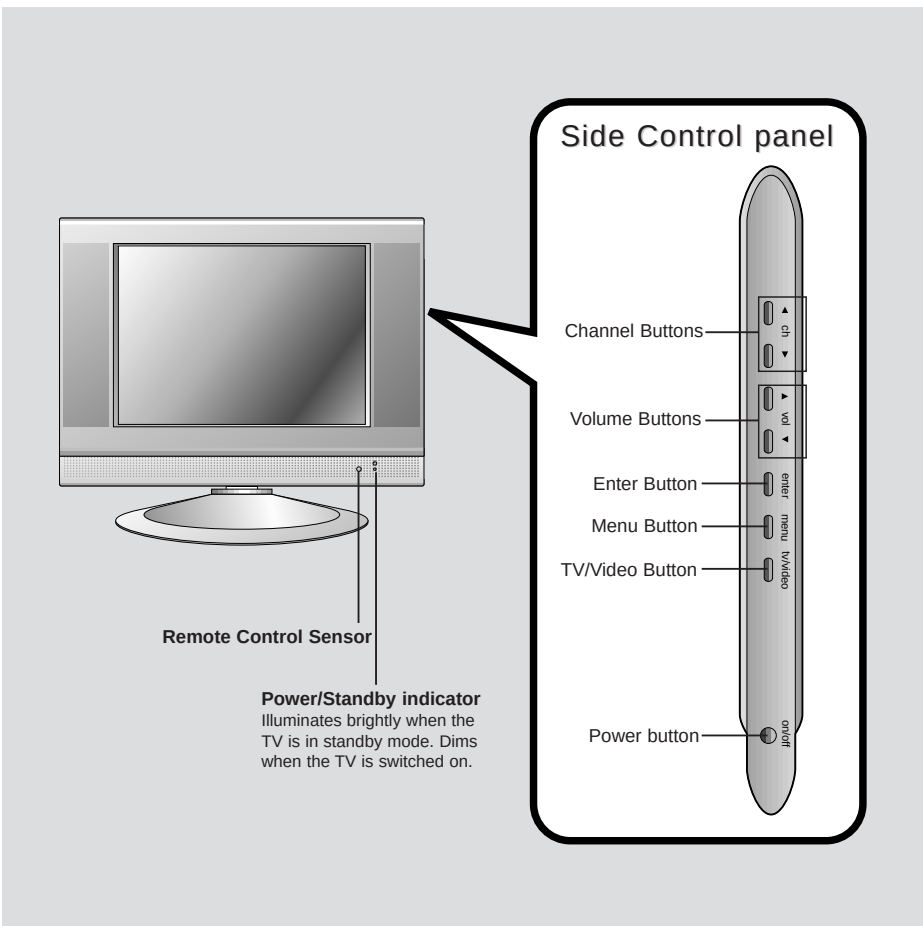
Controls

Front of the TV



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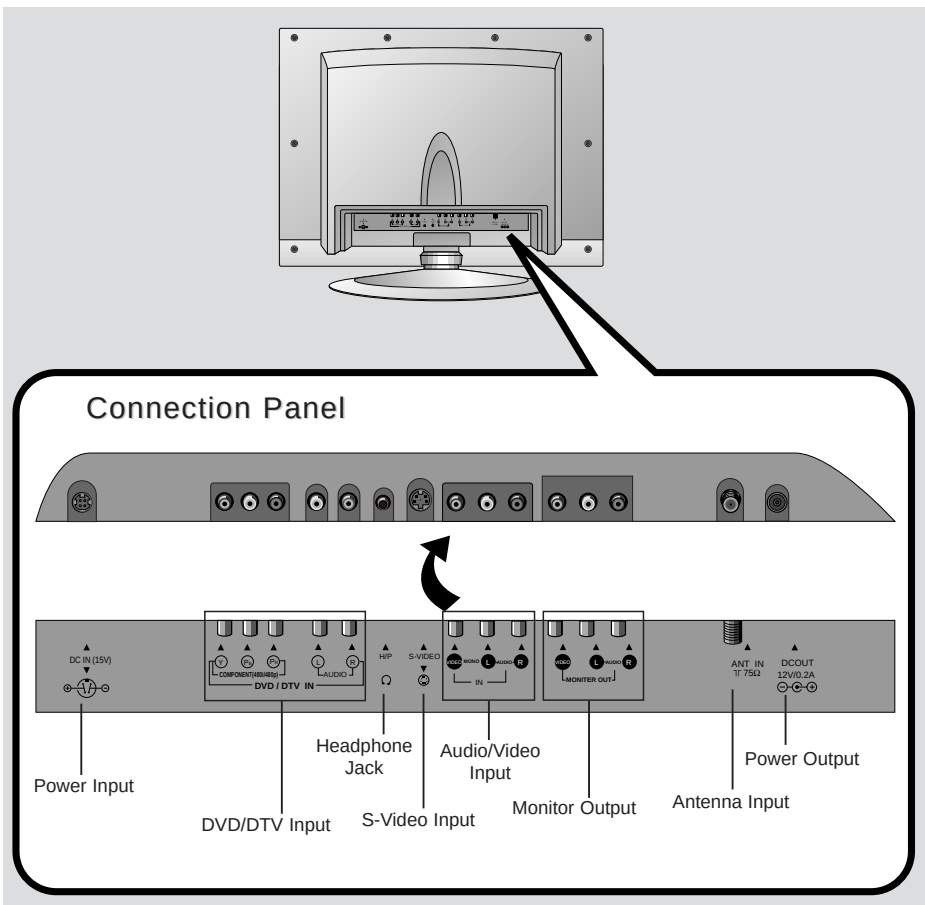
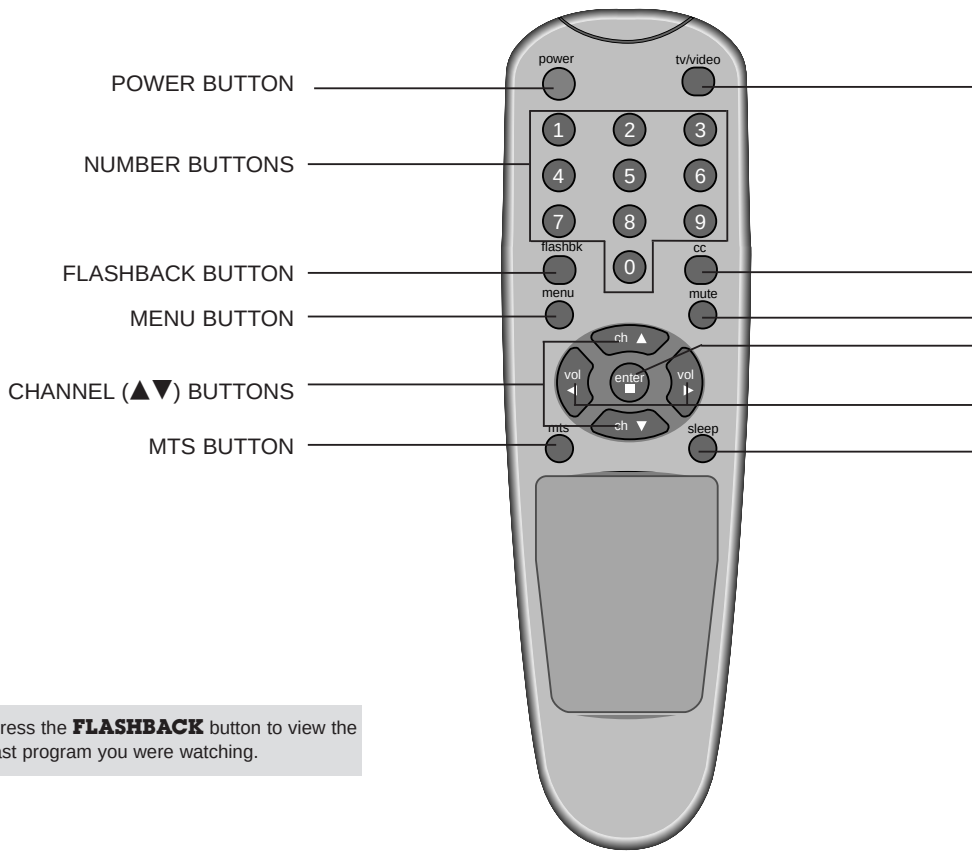
Back of the TV



Remote Control Overview



- Press the **FLASHBACK** button to view the last program you were watching.

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TV/VIDEO BUTTON PAGE 14~17

CC BUTTON PAGE 24

MUTE BUTTON PAGE 35

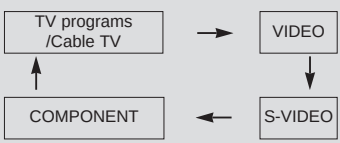
ENTER BUTTON

VOLUME (◀ ▶) BUTTONS

SLEEP BUTTON PAGE 29

TV/VIDEO Button on Remote Control

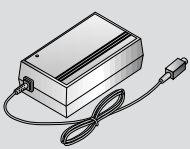
* Each press of this button changes the viewing source as indicted below.



* **VIDEO, S-VIDEO, COMPONENT** Select each mode for watching the corresponding external equipment.

TV Overview

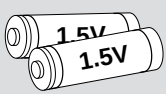
Accessories



AC Adapter

Power cord

Remote Control



AAA
Batteries

Operating guide

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Watching TV Programs

* Please be sure to connect the TV to the adapter before connecting the power plug to the wall power outlet.

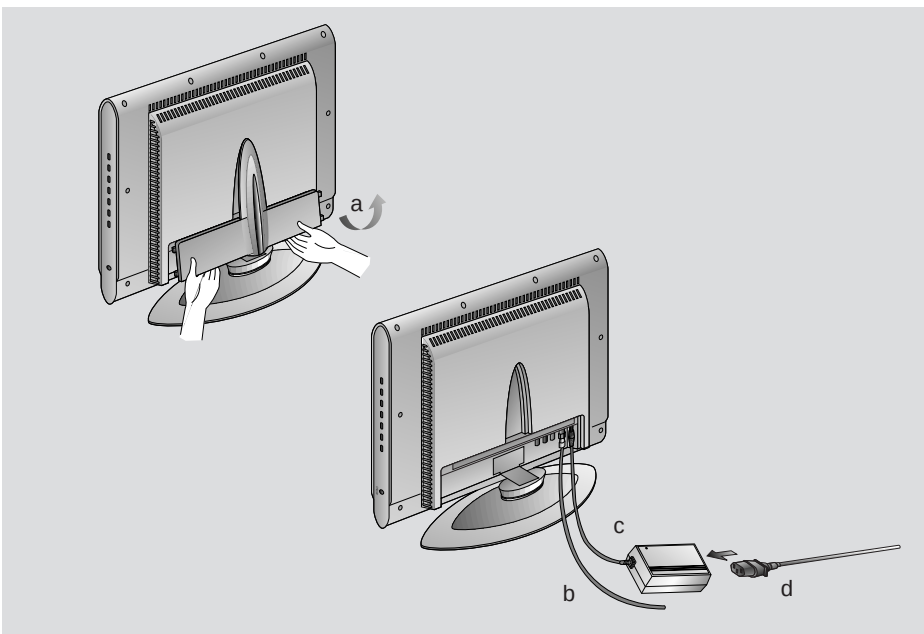
a. Remove the connection panel cover as shown below.

b. Connect the antenna cable to the antenna input port on TV.

c. Connect the adapter to the power input port on the TV.

d. Plug the power cord into the wall power outlet after connecting the power cord to the adapter.

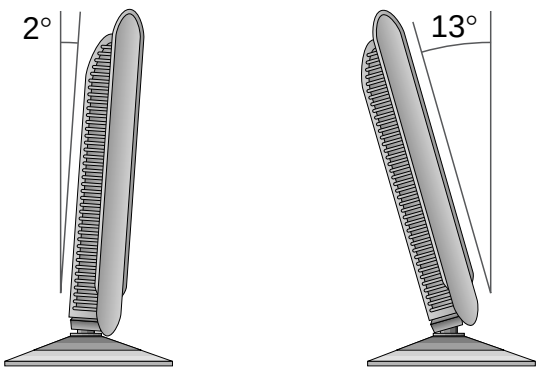
e. Reinstall the connection panel cover.



Notes :
- If the TV feels cold to the touch, there may be a slight flicker when turned on. This is normal : there is nothing wrong with TV.
- Some tiny, pin-point sized dots may appear on the screen. However, this will have no adverse effect on the monitor's performance.
- Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.

Adjusting the TV Viewing Angle

* You can adjust the angle of the TV between 2° and 13°.

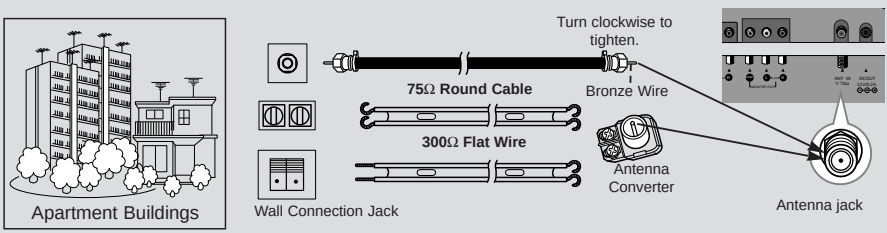


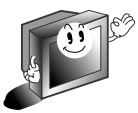
Antenna Connections

* For optimum picture quality, adjust antenna direction.

Indoor Antenna Connections

● Typical wall antenna jack used in apartment buildings, connect the antenna cable as shown below.
(Use the correct type of antenna cable for the type of wall antenna jack.)

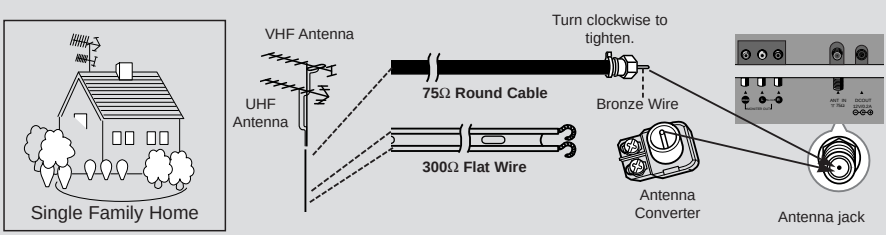




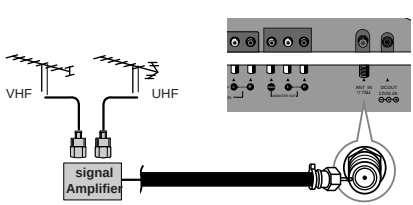
* If you have a 75Ω round cable, insert the bronze wire and then tighten the connection nut. If you have a 300Ω flat wire, connect the twisted wire to the antenna converter and then connect the converter to the antenna jack on the TV.
* When using 75Ω round cable, do not bend the bronze wire. It may cause poor picture quality.

Outdoor Antenna Connections

● This type of antenna is commonly used in single family dwellings.



* In poor signal areas, to get better picture quality, install the antenna as shown to the right.
* If antenna is split for two TVs, use signal splitter for connection.



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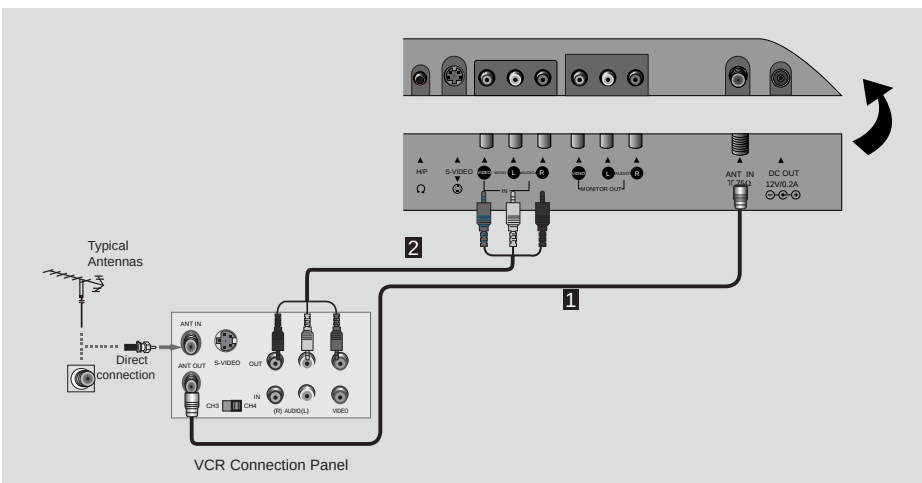
VCR Connections

* In Video mode, TV automatically reverts to TV mode if the channel (▲,▼) buttons or number buttons (0~9) are pressed.
* Connect to other A/V equipment using input jacks on the TV.

Connecting a VCR

1 How to connect

● Connect the audio/video output jacks on VCR to the corresponding input jacks on the TV.



VCR Connection Panel

2 How to use

Watching TV programs

Turn the TV on and tune to a channel.

Watching VCR

a. Press **tv/video** button of the remote control to select Video mode.
   * Select channel 3 or 4 for only ANT IN connection 1.
   * Select VIDEO to use Audio/Video In connections 2.

b. Insert a video tape into the VCR and press the PLAY button.

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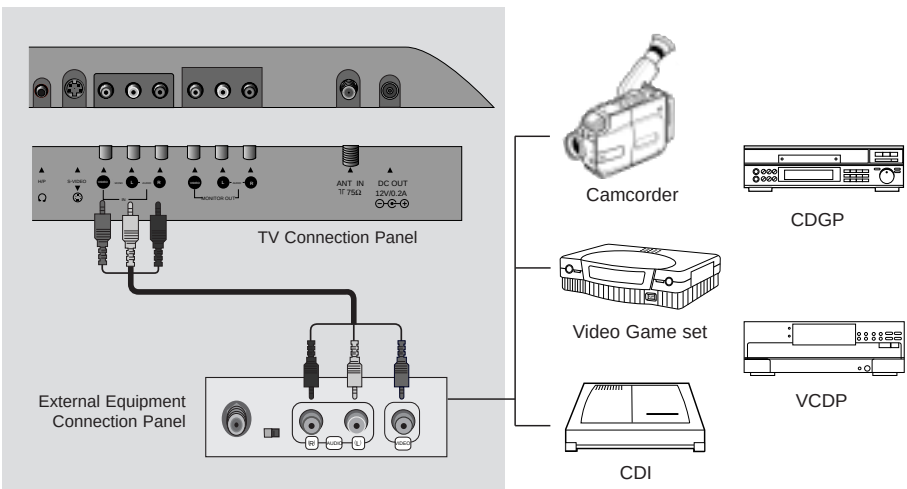
External Equipment Connections

Watching external A/V source

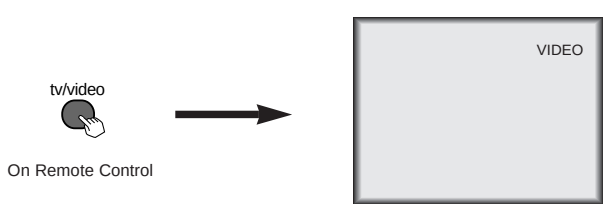
1 How to connect

● Connect the audio/video output jacks on the external A/V equipment to the corresponding input jacks on the TV.



2 How to use

● Turn on the external A/V equipment.
● Turn the TV on and press **tv/video** button to select Video mode.



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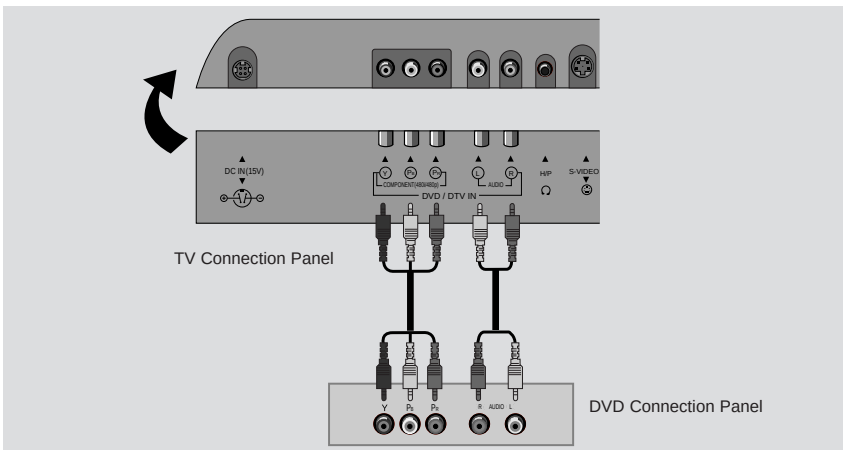
DVD Player Connections

● Connect DVD/DTV output jacks to TV's COMPONENT (480i/480p), Y, P_B, P_R jacks. Connect DVD/DTV audio output jacks to right and left input jacks on TV.

1 How to connect

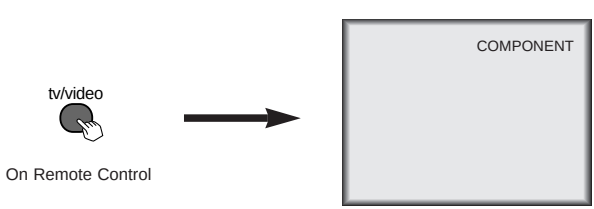


Note:

TV INPUT	Y	P_B	P_R
DVD OUTPUT	Y	C_b	C_r
	Y	B-Y	R-Y
	Y	P_b	P_r
	Y	P_B	P_R

2 How to use

● Turn on the DVD player.
● Turn the TV on and use **tv/video** button to select Component source.
See DVD/DTV user's manual for operating instructions.



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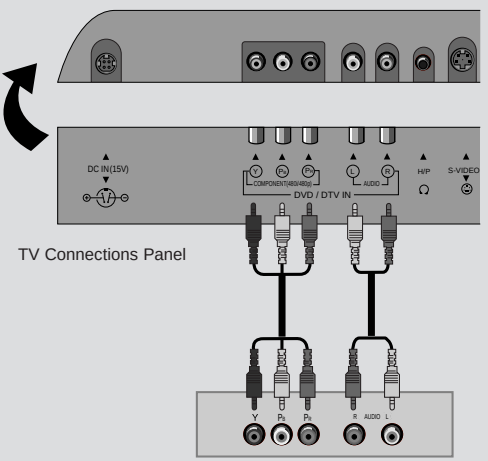
DTV (Set-top Box) Connections

- Connect DVD/DTV output to COMPONENT (480i/480p), Y, P_B, P_R jack inputs on the TV. Connect DTV L/R audio outputs to the TV's AUDIO L/R input jacks.

- Note: A DTV set-top box is required to receive DTV programming.

1 How to connect

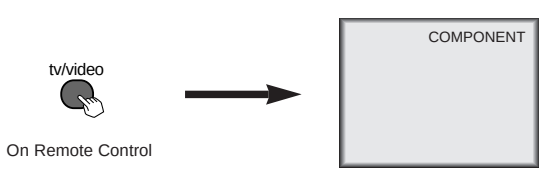


TV Connections Panel

DTV Receiver (Set-top Box) Connections Panel

2 How to use

- Turn on the DTV receiver (Set-top Box).
- Turn the TV on and use **tv/video** button to select Component source.



On Remote Control

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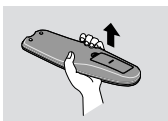
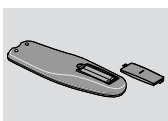
Remote Control : Installing Batteries/ Operation

Installing Batteries

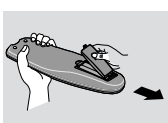
1 Pull the battery cover upward in the direction shown by the arrow and remove it.

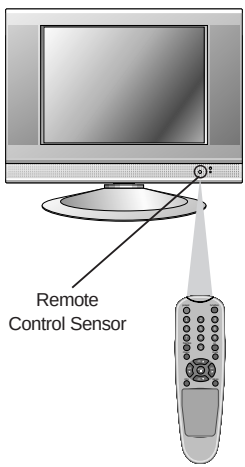


2 Insert the batteries with correct polarity.



3 Replace the battery compartment cover.



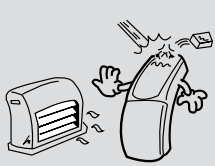


* Install two 1.5V alkaline batteries of AAA type. Don't mix used batteries with new batteries.
* Remove batteries when you won't use the remote control for a long time. Liquid leakage from batteries may damage the remote.

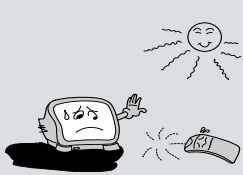
Notes For Using Remote Control

Make sure there are no objects between the remote control and its sensor.

Don't place the remote control near a heater or in a damp place. A strong impact on remote control may damage it.



Signal from the remote control may be disturbed by sun light or other strong light. In this case, darken the room.



Turning the TV On

TV Operation Overview

1 First, connect antenna cable and power cord with the adapter. Press **on**/**off** on the TV side panel. At this moment, the TV is switched to standby mode.

2 Press **power** on the remote control to turn the TV on.

- In standby mode, press the **power**, **ch** (▲,▼), **tv**/**video** and **number** button on the remote control to turn it on fully.

3 Select the viewing source by pressing **tv**/**video** on the remote control.

- Note: See page 27 if you have not auto programmed the TV to receive channels in your local broadcast area.

4 After viewing, press the **power** button on the remote control. The TV reverts to standby mode. Press the **on**/**off** on the TV side panel again to turn off the TV.

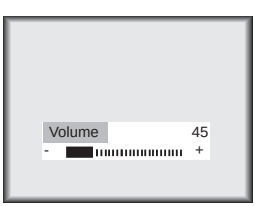
Watching TV programs

1 Press **power** on the remote control to turn the TV on.

2 Use the channel (▲,▼) or number buttons to select a channel to view.

3 Adjust Volume level.

- Volume (►) button increases the sound level.
- Volume (◄) button decreases the sound level.

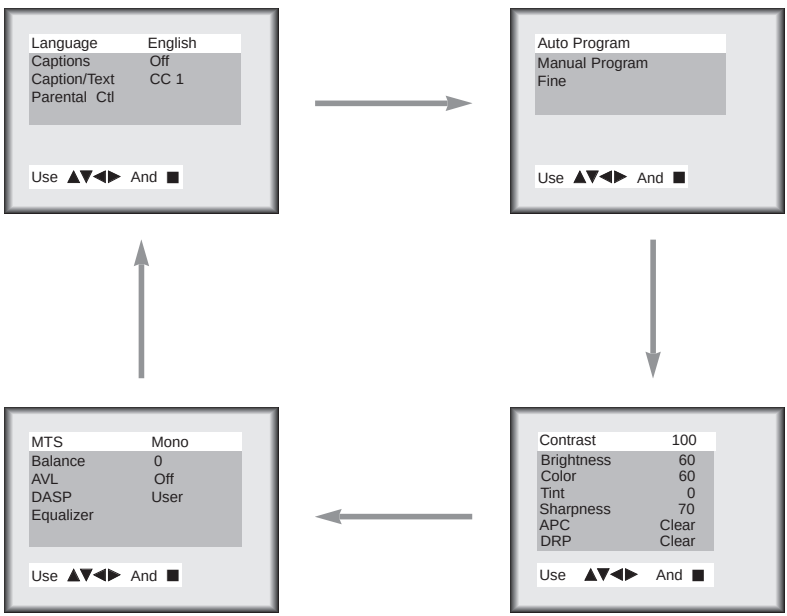


* If you want to turn off the TV, press the on/off button on the side panel of the TV. If you will be away on vacation, disconnect the power plug to the wall power outlet.

206-3778

TV Mode Available Menus

1 Press the **menu** button repeatedly to display the available menus shown below.

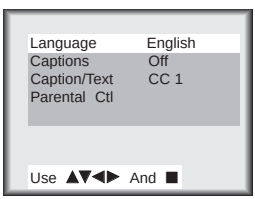


2 Use the channel (▲,▼) buttons to select a menu option.

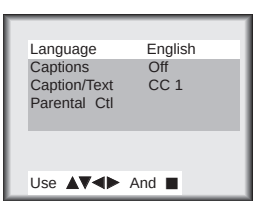
Menu Language Selection

Language

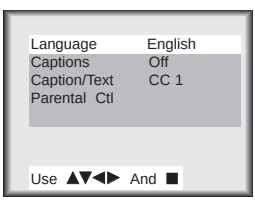
1 Use the **menu** button to select the menu shown.



2 Use the channel (▲,▼) buttons to select the Language option.



3 Use the volume (◀, ▶) buttons to select the language for the menus to appear in.



● Each press of volume (◀, ▶) buttons changes the menu language as shown below.

4 Press the **enter** (■) button.

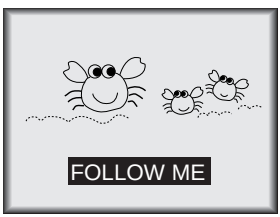
BASIC FUNCTIONS

206-3778

Closed Captions

Closed captioning is a process which converts the audio portion of a television program into written words which then appear on the television screen in a form similar to subtitles. Closed captions allow viewers to read the dialogue and narration of television programs.

Using Closed Captions



Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. It's possible to caption a live program by using a process called real-time captioning, which creates captions instantly. Real-time captioning is normally done by professional reporters using a machine shorthand system and computer for translation into English.
Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.

- The picture at left shows a typical caption.

Caption Tips

- Not all TV broadcasts include closed caption signals.
- Sometimes TV stations broadcast four different caption signals on the same channel. By selecting **From CC1 to CC4**, you can choose which signal you view. **CC1** is usually the signal with the captions, while **Another mode** might show demonstration or programming information.
- Your TV might not receive caption signals normally in the following situations.

1 Poor reception conditions are encountered:

- **IGNITION:**
  Picture may flutter, drift, suffer from black spots or horizontal streaking. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills, and other electrical appliances.

- **GHOSTS:**
  Ghosts are caused when the TV signal splits and follows two paths. One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception.

- **SNOW:**
  If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture.

2 An old, bad, or illegally recorded tape is played.
3 Strong, random signals from a car or airplane interfere with the TV signal.
4 The signal from the antenna is weak.
5 The program wasn't captioned when it was produced, transmitted, or taped.

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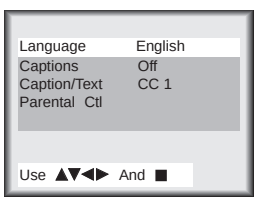
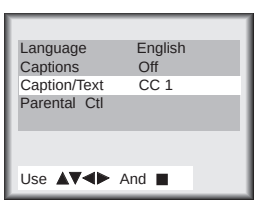
Captions/Text Setup

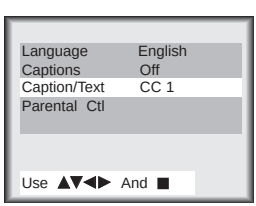
1 Use the **menu** button to select the menu shown.



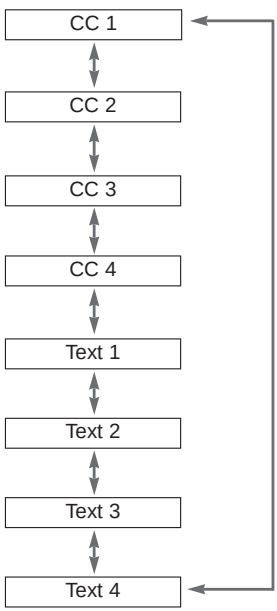
2 Use the channel (▲,▼) buttons to select the Caption/Text option.



3 Press the volume (►) button.



● Each time you press the volume (◄, ►) buttons, the caption mode is changed one-by-one as shown.



4 Press the **enter** (■) button.

● This TV is programmed to remember the caption/text mode it was last set to, when you turn the POWER off.

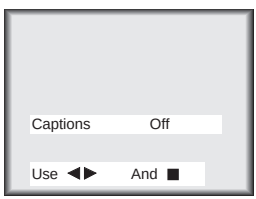
BASIC FUNCTIONS

206-3778

Closed Captions

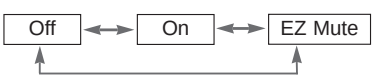
Captions On, Off, EZ Mute Setup

1 Use the **cc** button to select Captions.



2 Press the **cc** button or volume (◄, ►) buttons to select On and press the **enter** (■) button.

- Each press of volume (◄, ►) buttons changes the caption option as shown.



- Captions setup is complete.
- EZ Mute shows the selected captions option (if available on program) when the TV sound is muted.

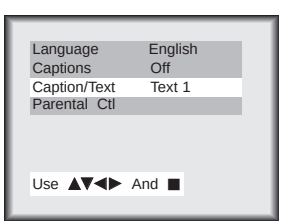
Text Setup

Text services give a wide variety of information on all kind of subjects (for example captioned program lists, weather forecasts, stock exchange topics, news for hearing-impaired---) through the half TV screen.
But not all stations offer text services, even though they might offer captioning.

- In the event you are receiving a poor signal, an empty black box may appear and disappear, even when the text mode is selected. This is normal, there is nothing wrong with the TV.

1 Repeat steps 1-3 on page 23.

2 Use the volume (◄, ►) buttons to select: Text 1, Text 2, Text 3, or Text 4.



3 Press the **enter** (■) button.

206-3778

Parental Control

The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcast station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period. To use the Parental Control Function, the following must be set.

1. Ratings and categories to be blocked.
2. Number of hours to lock the television viewing control
3. Set a password
4. Enable the lock

V-Chip rating and categories

Rating guidelines are provided by broadcast stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

For Movies previously shown in theaters:

Movie Ratings:

* Unblocked	
* G and Above	(general audience)
* PG and Above	(parental guidance suggested)
* PG-13 and Above	(13 years and up)
* R and Above	(restricted)
* NC-17 and Above	(18 years and up)
* X	(adult)

If you set PG-13 and Above, G and PG movies will be available; PG-13, R, NC-17, and X will be blocked.

For Television programs including made-for-TV movies:

General TV Ratings:

* Unblocked	
* TV-G and Above	(general audience) (individual categories do not apply)
* TV-PG and Above	(parental guidance suggested)
* TV-14 and Above	(14 years and up)
* TV-MA	(mature audience)

Children TV Ratings:

* Unblocked	
* TV-Y and Above	(youth) (individual content categories do not apply)
* TV-Y7	(youth, 7 years and up)

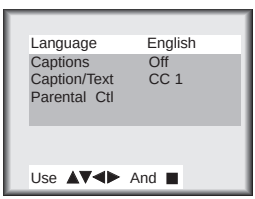
Content Categories:

* Dialog - sexual dialogue	(applies to TV-PG and Above, TV-14)
* Language - adult language	(applies to TV-PG and Above, TV-14 and Above, TV-MA)
* Sex scenes - sexual situations	(applies to TV-PG and Above, TV-14 and Above, TV-MA)
* Violence	(applies to TV-PG and Above, TV-14 and Above, TV-MA)
* F Violence - fantasy violence	(applies only to TV-Y7)
* No Rating	(blocks all viewing)

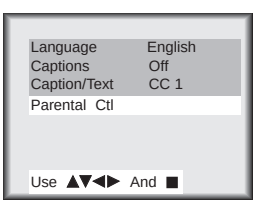
(See next page to set blocking.)

Blocking Setup

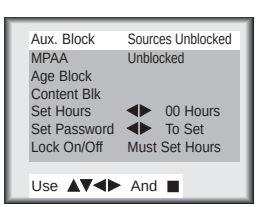
1 Use the **menu** button to select the screen the menu shown.



2 Use the channel (▲,▼) buttons to select the the Parental Ctl option.



3 Press the volume (►) button.



- If Parental is already set enter the password when requested.
- Age block and Content block options, also have sub menus; repeat step 3 to 4 in sub menu, to set type of blocking and rating.

4 Use the channel (▲,▼) buttons to select the types of blocking to be set. Use the volume (◄, ►) buttons to select the types of ratings to block.

- MPAA, Age, and/or Content block may be set.

Press the **menu** button to return from Age Block or Content Blk options.

5 Use the channel (▲,▼) buttons to select the Set Hours option.
Use the volume (◄, ►) buttons to set the number of hours for the blocking. (Up to 99)
Use the channel (▲,▼) buttons to select the Set Password option.
Enter a four digit password. Enter it again when requested.

- A new password may be chosen each time blocking is set up.

6 Press the channel (▲,▼) buttons to select the Lock On/Off option.
Press the volume (◄, ►) buttons to turn the lock On.

Press the **menu** button to save the blocking setups and exit.

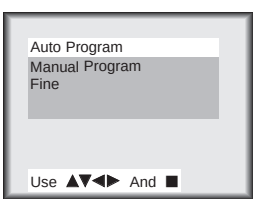
206-3778

Auto Programming: Finding/Erasing Channels

Channel Search (Auto Programming)

* For Auto program to work, the programming source must be connected to the TV and the TV must be receiving programming signals either over-the-air or from a cable-type service provider. (See page 7.)
* Auto programming memorizes all the channels from terrestrial TV signals or a cable TV service provider.
* If channels from TV and cable TV search are duplicated, press the number buttons (0 ~ 9) to change.

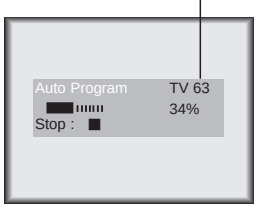
1 Use the **menu** button to select the screen menu shown.



2 Press the volume (▶) button to begin the channel search.

● Wait for auto program to complete the channel search cycle before choosing a channel. The TV scans for over-the-air channels and then channels provided by a cable service.

Memorizing channel number is displayed.



BASIC FUNCTIONS

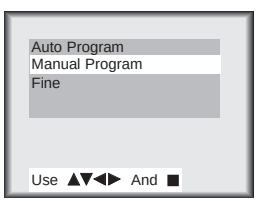
* When the channel search is complete, use the channel (▲,▼) buttons to review the memorized channels after auto programming is complete.
* If you press the **enter** (■) button during auto programming, the function will stop and only channels found up to that time will be remained.
* Auto programming can only memorize the channels that are being received at that time.

206-3778

Memorizing/Erasing Channels

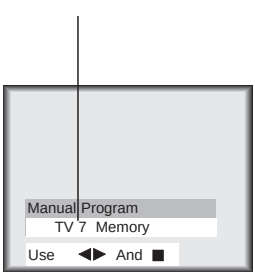
***You can select Memory (to add the channel) or Erase (to delete the channel from memory).**

1 Use the **menu** button to select the menu shown and then use the channel (▲,▼) buttons to select the Manual Program option.

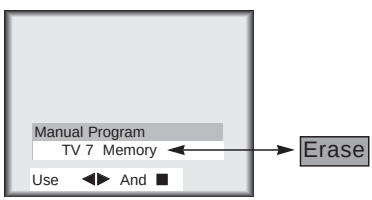


2 Press the volume (◀, ▶) buttons.

The current channel number is displayed.



3 Use the channel (▲,▼) buttons to select a channel you want to add to memory or erase and then use the volume (◀, ▶) buttons to select Memory (add) or Erase (delete).



- Each time you press the volume (◀, ▶) buttons, you toggle between Memory and Erase, as shown.

Memory ⟷ Erase

4 Press the **enter** (■) button.

- The current channel is added to Memory or Erased from the channel list.

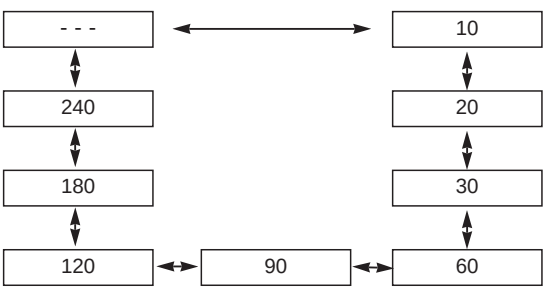
206-3778

Sleep Timer Setup

* Sleep timer turns the TV off at the preset time.

1 Use the **sleep** button to set sleep timer.

● Each press of sleep changes the setting as shown below.



● To cancel sleep time setting, press the **sleep** button repeatedly to select [---].

● The screen display Sleep appears on the screen for 20 seconds prior to TV turn off.

* When a sleep time you want is displayed on the screen, don't press the sleep button. The screen display disappears and sleep time is set.
* To check remaining sleep time, press the **sleep** button once.
* To change sleep time setting, press the **sleep** button repeatedly to select time setting you want.
* If you turn the TV off after setting sleep timer, the setting will be erased.

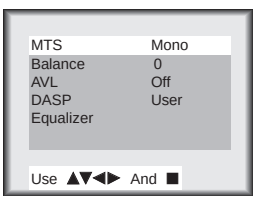
206-3778

Audio/Sound Setup

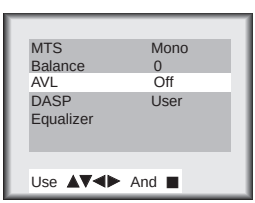
* AVL maintains an equal volume level automatically even if the channel is changed.

AVL (Auto Volume Leveler)

1 Use the **menu** button to select the menu shown.



2 Use the channel (▲,▼) button to select the AVL option.



3 Use the volume (◄, ►) button to select On or Off and then press the **enter** (■) button.

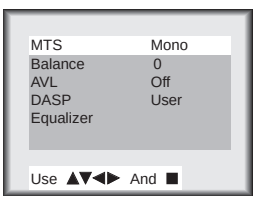
● Each press of volume (◄, ►) buttons changes the screen display as below.

On ◄► Off

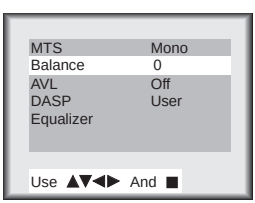
206-3778

Sound Balance

1 Use the **menu** button to select the menu shown.



2 Use the channel (▲,▼) button to select the Balance option.



3 Press the volume (◄, ►) button to adjust the balance and press the **enter** (■) button.

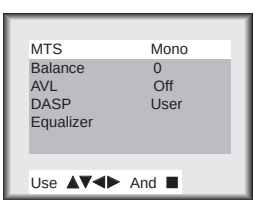
● Balance is preset at 0.

Selecting Bilingual Signal (Second Audio Program)

On-screen display in stereo mode STEREO
On-screen display in bilingual mode SAP

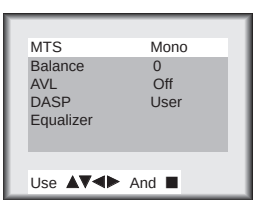
* Bilingual (second audio program) signal
  - SAP contains the secondary language signal in addition to the primary language.
  - There are the primary and secondary languages and stereo modes in bilingual signal.
  - [Mono] : The primary language is heard from left and right speakers in mono sound.
  - [Stereo] : The primary language is heard from left and right speakers in stereo sound.
  - [SAP] : The secondary language is heard from both left and right speakers in mono sound.

1 Use the **menu** button to select the menu shown.

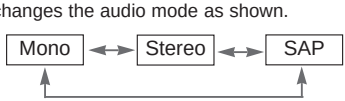


2 Use the channel (▲,▼) button to select the MTS option.

3 Use the volume (◀, ▶) button to change the audio mode.



- Each press of volume (◀, ▶) buttons changes the audio mode as shown.



4 Press the **enter** (■) button.

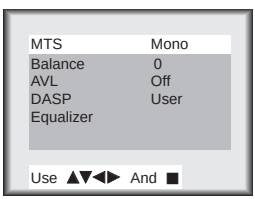
* Select sound mono mode if the signal is not clear or in poor signal reception areas.
* STEREO and MONO modes are available only if included on the broadcast signal.
* You can also use this function with MTS button.

206-3778

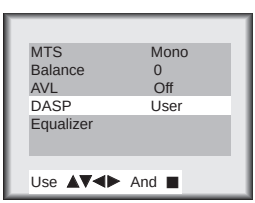
* DASP selects the sound appropriate for the program.

Audio Setup / DASP

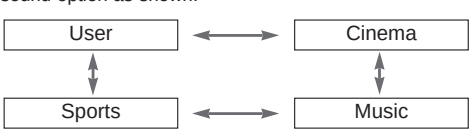
1 Use the **menu** button to select the menu shown.



2 Press the channel (▲,▼) buttons to select the DASP option.



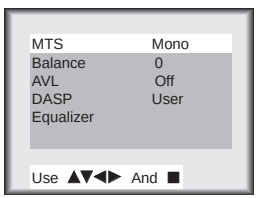
● Each press of volume (◄, ►) button changes the DASP sound option as shown.



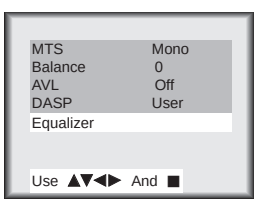
3 Press the **enter** (■) button.

Equalizer Adjustments

1 Use the **menu** button to select the menu shown.

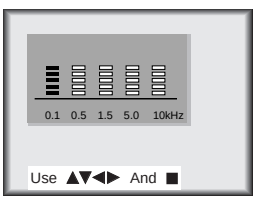


2 Use the channel (▲,▼) buttons to select the Equalizer option.



3 Press the volume (►) button.

4 Use the volume (◄, ►) button to select a band to adjust.



5 Use the channel (▲,▼) buttons to adjust the band level.

6 Select another band to adjust or press the **enter** (■) button.

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Mute

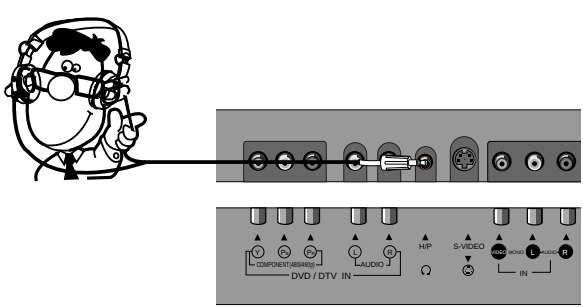
* Mute removes the speaker sound. Using mute is convenient if the user needs to answer a phone call, while viewing the TV.

1 Press the **mute** button.

- To restore muted sound, press the **mute** button or volume (◄, ►) buttons.
- When muted sound is restored, current volume level is displayed on the screen.

Using Headphone Jack

- Plug a Headphone into the jack.
- Adjust sound level to a headphone using the volume (◄, ►) buttons. While you are listening to sound through a headphone(s), TV speakers are not heard.



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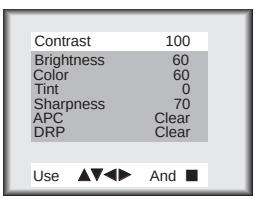
Video/Picture Setup

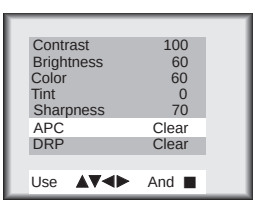
* APC adjusts the TV for the best picture appearance.

APC (Auto Picture Control)

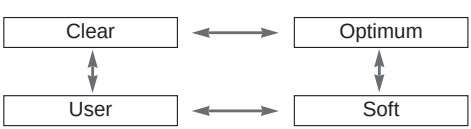
1 Use the **menu** button to select the menu shown.



2 Use the channel (▲,▼) buttons to select the APC option.



● Each press of volume (◄, ►) button selects a different picture appearance.



3 Press the **enter** (■) button.

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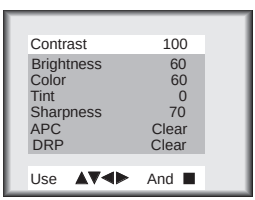
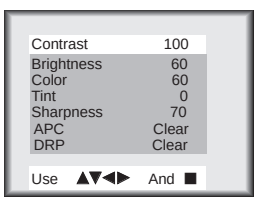
Manual Picture Control (User Option)

1 Use the **menu** button to select the menu shown.



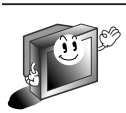
2 Use the channel (▲,▼) button to select a menu option.

3 Use the volume (◄, ►) button to change the setting.



- Contrast, Brightness, Sharpness, and Color are adjustable from 0 to 100.
- Tint is adjustable from Red 50 to Green 50.

4 Press the **enter** (■) button.



* APC is turned off if you change any settings.

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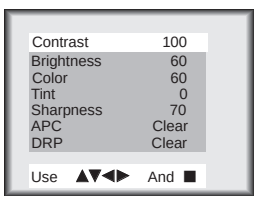
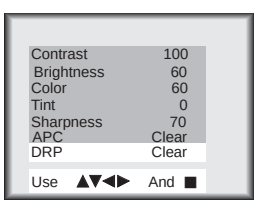
* DRP improves picture outline dark areas.

DRP (Digital Reality Picture)

1 Use the **menu** button to select the menu shown.



2 Use the channel (▲,▼) button to select the DRP option.



3 Use the volume (◀, ▶) buttons to select Clear, and then press the **enter** (■) button.

● Each press of volume (◀, ▶) buttons changes the screen display as below.

Clear ◀▶ Soft

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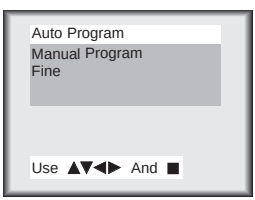
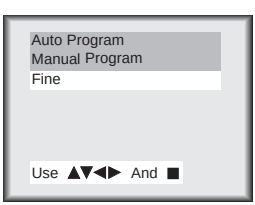
* Fine Tuning optimizes reception of a poor signal. For example, a horizontal stripe, twisted picture, no color, or weak station.

Fine Tuning Adjustment

1 Use the **menu** button to select the menu shown.

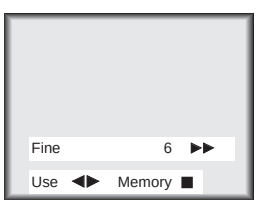


2 Use the channel (▲,▼) buttons to select the Fine option.



3 Press the volume (►) button.

4 Use the volume (◄, ►) buttons to improve the picture (signal) reception.



5 When the picture appearance is best, press the **enter** (■) button.

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Product Specifications

Model	L20V26
Horizontal size (inch)	22.68
Height (inch)	18.64
Thickness (inch)	3.33
Weight (pound)	22.05
Power requirements	DC 15V/4.5A

* CAUTION : For use only with Model No. CAM-1550 AC Adapter, manufactured by CHANGNAM - VIEWCOMM LTD.

Television system	NTSC
Television channels	VHF : 2 ~ 13, UHF : 14 ~ 69 Cable : 01 ~ 125
Tube	LCD Panel
Power consumption	See the back of the set
External antenna impedance	75 Ω
Audio output	3.0W + 3.0W
Speaker outputs	4 Ω X 4
External input ports	VIDEO input port set 1 VIDEO output port set 1 Component (480i/480p) input set 1 S-VIDEO input 1 Headphone jack 1 DC 12V output port set 1 Power DC 15V input 1 Antenna input 1
Adapter (DC power)	In : AC 100-240V ~ 2.5A-1.5A 50/60Hz, 180VA Out : DC 15V, 4.5A

* CAUTION : For use only with Model No. CAM-1550 AC Adapter, manufactured by CHANGNAM - VIEWCOMM LTD.

Power supply cordset	Standard North America three wire earth-grounding with flexible cord SJT type or higher type.

* CAUTION : If replacement becomes necessary, replace it with an exact duplicate. Contact any Zenith authorized service center.

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Maintenance

Caring for your TV

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have with your new TV. Be sure to turn the power off and pull out the plug before you begin any cleaning.

Screen Cleaning

1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.

2. Make sure not be excess water put on the screen, let it air-dry before you turn on your TV.

Cabinet Cleaning

1. Use a soft cloth with a mild soap solution to wipe the cabinet.

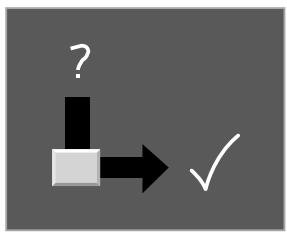
2. Rinse the cloth and wipe the cabinet again.

3. Let the cabinet air-dry before turning your TV on.

Extended Absence

If you leave your TV unused for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges. If you use an antenna, you may also want to disconnect it from the back of your TV before leaving.

Troubleshooting Check List



SYMPTOMS

No power

No picture or sound

Poor picture but good sound

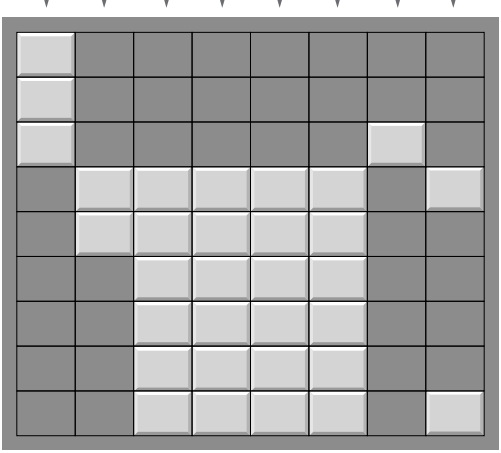
Poor reception

Lines in picture

Ghosts (multiple images)

Remote control does not work.

Cannot tune desired channel.



CHECK THESE THINGS

- Is power cord plugged in?
- Is television turned on?
- Check batteries in remote control.
- Try another channel (station trouble).
- Check antenna connections.
- Check for local interference.
- Adjust the antenna.
- Adjust the picture control.
- Program channels using AUTO PROGRAM.

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Notes

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ZENITH ELECTRONICS CORPORATION
LIMITED WARRANTY

Zenith will, at its option, repair or replace your product if it proves to be defective in material or workmanship under normal use during the warranty period listed below from the date of original consumer purchase. The repaired or replacement product will be in warranty for the remainder of the original warranty period. This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the United States, including US Territories.

WARRANTY PERIOD

LCD TV	Parts	Labor
Model #: L20V26	One (1) year	One (1) year
Serial #:	Zenith will repair or replace defective product as set forth below	

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE, AND ZENITH SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST REVENUES OR PROFITS, IN CONNECTION WITH THE PRODUCT. SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THE ABOVE WARRANTY DOES NOT APPLY TO:

1. Damages or problems that result from shipping, installation, maintenance, or separate system components; and
2. Damages or problems that result from misuse, abuse, operation outside environmental specifications or contrary to the requirements or precautions in the Operating Guide, accident, lightning strikes or other natural causes, unauthorized modification or alteration, incorrect electrical current or voltage, other causes not arising out of defect in material or workmanship, or institutional or commercial use.
3. Therefore, the cost of repair or replacement of such defective product shall be borne by the customer.

REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCT:

For RMA and Return of Defective Product for Warranty Service	**Call 1-800-984-9349** (Mon.~ Fri. 7 AM ~ 7 PM CT) for Return Merchandise Authorization (RMA) and your returning defective product for repair/replacement. The defective product must be packaged in original box and a copy of original bill of sale must be included.
Warranty Repair or Replacement	Upon receipt by Zenith of the defective product under RMA, Zenith will repair and ship, freight prepaid, repaired or replacement product to you.
For Post Warranty Repair	For repair or replacement after Warranty has expired, **Call 1-800-984-9349** (Mon.~ Fri. 7 AM ~ 7 PM CT)
For Product Assistance, or Customer Assistance	**Call 1-877-993-6484** (Mon.~ Fri. 7 AM ~ 8 PM CT) **(1-877-9ZENITH)** (Sat. 8 AM ~ 5 PM CT) Or visit our website at **http://www.zenithservice.com**

Retain your Sales Receipt to prove Date of Purchase, and Original Packaging Material for shipping defective product for repair when needed.

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P/NO : 3828VA0251R (MF002A)